STIC Search Report
Biotech-Chem Library

USPTO

STIC Database Tracking Number: 173601

TO: Jegatheesan Seharaseyon
Location: rem-4c61/4c70
Art Unit: 1647
Thursday, December 15, 2005
Case Serial Number: 10/008721

From: Kristine Hensle
Location: Biotech-Chem Library
REM-1B69
Phone: (571) 272-4161

Kristine. Hensle@uspto.gov

Search Notes

Examiner Seharaseyon,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Kristine Hensle
Librarian
STIC Biotech/Chem Library
(571)272-4161

sira
Search and Information
Resources Administration

From:	Seharaseyon, Jegatheesan
Sent:	Tuesday, December 06, 2005 4:57 PM
To:	STIC-Biotech/ChemLib
Subject:	RE:10/008721

Hi,

Can you please do an interference search for SEQ ID NO: 6 and 7 of
10/008721. Thanks.

Seyon
J.Seharaseyon
Art Unit 1647
Remsen 4C61
Mailbox 4C70
Phone: (571)-272-0892
Fax: (571)-273-0892

****
Searcher:_____
Searcher Phone:_____
Date Searcher Picked up:_____
Date completed:_____
Searcher Prep Time:_____
Online Time:_____

****
Type of Search
NA#_____ AA#:_____
S/L:_____ Oligomer:_____
Encode/Transl:_____
Structure #:_____Text:____
Inventor:_____ Litigation:___

****
Vendors and cost where applicable
STN:_____
DIALOG:_____
QUESTEL/ORBIT:_____
LEXIS/NEXIS:_____
SEQUENCE SYSTEM:_____
WWW/Internet:_____
Other (Specify):_____

```
                    GenCore version 5.1.6
          Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:        December 13, 2005, 21:35:15 ; Search time 106.5 Seconds
                                  (without alignments)
                                  2336.701 Million cell updates/sec

Title:         US-10-008-721-7
Perfect score: 140
Sequence:      1 ctggcccactattaccctc..........gggatcctcctcccgaaccc 140

Scoring table: IDENTITY_NUC
               Gapop 10.0, Gapext 1.0

Searched:      1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters:      2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :       Issued_Patents NA:*
            1: /cgn2_6/ptcdata/1/ina/1_COMB.seq:*
            2: /cgn2_6/ptcdata/1/ina/5_COMB.seq:*
            3: /cgn2_6/ptcdata/1/ina/6A_COMB.seq:*
            4: /cgn2_6/ptcdata/1/ina/6B_COMB.seq:*
            5: /cgn2_6/ptcdata/1/ina/H_COMB.seq:*
            6: /cgn2_6/ptcdata/1/ina/PCTUS_COMB.seq:*
            7: /cgn2_6/ptcdata/1/ina/PP_COMB.seq:*
            8: /cgn2_6/ptcdata/1/ina/RE_COMB.seq:*
            9: /cgn2_6/ptcdata/1/ina/baCkfiles1.seq:*
```

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	49	35.0	7218	2	US-08-232-463-14	Sequence 14, Appl
2	44.8	32.0	179904	3	US-09-949-002-577	Sequence 577, App
3	44.8	32.0	179905	3	US-09-949-002-705	Sequence 705, App
4	44.6	31.9	101951	3	US-09-949-016-15648	Sequence 15648, A
c 5	44.4	31.7	46823	3	US-09-949-016-12723	Sequence 12723, A
c 6	44.4	31.7	46940	3	US-09-949-016-16252	Sequence 16252, A
c 7	44.4	31.7	99748	3	US-09-949-016-11990	Sequence 11990, A
c 8	44.4	31.7	99749	3	US-09-949-016-16518	Sequence 16518, A
9	44	31.4	500	3	US-09-866-108A-15742	Sequence 15742, A
10	43.8	31.3	601	3	US-09-949-016-135107	Sequence 135107,
11	43.8	31.3	117807	3	US-09-949-016-15525	Sequence 15525, A
12	43.2	30.9	865	3	US-09-270-767-11042	Sequence 11042, A
13	43.2	30.9	16782	3	US-09-949-016-17291	Sequence 17291, A
14	43	30.7	320	2	US-09-165-264-14	Sequence 14, Appl
15	42.8	30.6	320	3	US-09-165-264-11	Sequence 11, Appl
16	42.4	30.3	320	3	US-09-165-264-13	Sequence 13, Appl
17	42.4	30.3	53526	3	US-08-658-136-2	Sequence 2, Appli
18	42.4	30.3	53577	3	US-08-658-136-1	Sequence 1, Appli
19	42.4	30.3	119032	3	US-08-460-215A-1	Sequence 1, Appli
20	42.4	30.3	119032	3	US-09-949-016-12160	Sequence 12160, A
21	42.4	30.3	119032	3	US-09-949-016-17268	Sequence 17268, A
c 22	42.2	30.1	320	3	US-09-165-264-7	Sequence 7, Appli
23	41.8	29.9	1469	3	US-09-865-879-12	Sequence 12, Appl
c 24	41.6	29.7	318	3	US-09-165-264-12	Sequence 12, Appl
c 25	41.2	29.4	319	3	US-09-165-264-8	Sequence 8, Appl1
c 26	41.2	29.4	264665	3	US-09-949-016-13747	Sequence 13747, A
c 27	41	29.3	253345	3	US-09-949-016-12656	Sequence 12656, A
c 28	41	29.3	253364	3	US-09-949-016-13639	Sequence 13639, A
c 29	40.6	29.0	936	3	US-09-270-767-4464	Sequence 4464, Ap
30	40.6	29.0	936	3	US-09-270-767-19746	Sequence 19746, A
31	40.6	29.0	9293	3	US-09-949-016-16801	Sequence 16801, A
32	40.6	28.9	37875	3	US-09-949-016-13182	Sequence 13182, A
c 33	40.4	28.9	204	3	US-09-107-433-2184	Sequence 2184, Ap
34	40.4	28.9	209	3	US-09-107-433-185	Sequence 185, App
35	40.4	28.9	282	3	US-09-107-433-184	Sequence 184, App
36	40.4	28.9	308	3	US-09-107-433-1723	Sequence 1723, Ap
37	40.4	28.9	612	3	US-09-107-433-1970	Sequence 1970, Ap
38	40.2	28.7	83617	3	US-09-949-016-12254	Sequence 12254, A
39	40.2	28.7	87870	3	US-09-949-016-14461	Sequence 14461, A
40	39.8	28.4	390890	3	US-09-949-016-14720	Sequence 14720, A
41	39.6	28.3	12001	2	US-08-458-568A-11	Sequence 11, Appl
42	39.6	28.3	60990	3	US-09-949-016-14080	Sequence 14080, A
c 43	39.6	28.3	256287	3	US-09-949-016-14608	Sequence 14608, A
44	39.4	28.1	601	3	US-09-949-016-127819	Sequence 127819,
45	39.4	28.1	601	3	US-09-949-016-127820	Sequence 127820,

ALIGNMENTS

```
RESULT 1
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
;  APPLICANT: DORNER, F.
;  APPLICANT: SCHEIFLINGER, F.
;  APPLICANT: FALKNER, F. G.
;  TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
;  NUMBER OF SEQUENCES: 52
;  CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Foley & Lardner
;   STREET: 1800 Diagonal Road, Suite 500
;   CITY: Alexandria
;   STATE: VA
;   COUNTRY: USA
;   ZIP: 22313-0299
;  COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;  CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/232,463
;   FILING DATE:
;   CLASSIFICATION: 435
;  PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US/07/935,313
;   FILING DATE:
;   APPLICATION NUMBER: EP 91 114 300.6
;   FILING DATE: 26-AUG-1991
;  ATTORNEY/AGENT INFORMATION:
;   NAME: BENT, Stephen A.
;   REGISTRATION NUMBER: 29,768
;   REFERENCE/DOCKET NUMBER: 30472/114 IMMU
;  TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (703)836-9300
;   TELEFAX: (703)681-4109
;   TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
;  SEQUENCE CHARACTERISTICS:
;   LENGTH: 7218 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;  IMMEDIATE SOURCE:
;   CLONE: pTZgpt-F1s
```

US-08-232-463-14

Query Match   35.0%; Score 49; DB 2; Length 7218;
Best Local Similarity 3.0%; Pred. No. 0.0013;
Matches   4; Conservative 103; Mismatches 28; Indels 0; Gaps 0;

```
Qy      5 CCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTTCGTCCTCCCATTCTCCC 64
          :::  ::::::::YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
Db   1305 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1364

Qy     65 CCACTACTCCCGCCCGTCCCCTCCCGGCGTCTGACGCGACACGGCCGAGCCTTCGGGA 124
          :: :: ::::: :::::::::YYYYYYYYYYYYYYYYY : :: ::: : :::::
Db   1365 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1424

Qy    125 TCCTCCTCCGAACC 139
          :::::::::::||||
Db   1425 YYYYYYYYYYYGTACC 1439
```

RESULT 2
US-09-949-002-577/c
; Sequence 577, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002.
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 577
; LENGTH: 179904
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-577

Query Match   32.0%; Score 44.8; DB 3; Length 179904;
Best Local Similarity 58.1%; Pred. No. 0.021;
Matches   79; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

```
Qy      5 CCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTTCGTCCTCCCATTCTCCC 64
          ||||| ||||||||| |||||||||||| |||||
Db 157207 CCCTCCCTCCATCCTTTCTCTCTCTGTCTCTCTCTC 157148

Qy     65 CCACTACTCCCGCCCGTCCCCTCCCGGCGTCTGACGCGACACGGCCGAGCCTTCGGGA 124
          ||  || |||||||||  ||||||||||  |||||
Db 157147 CCTCCCTTCCCCTCCCTCCCCTGCTATGACTCTGCATTTCACCTCTCCAGGA 157088

Qy    125 TCCTCCTCCGAACCC 140
          || |||||
Db 157087 GGCTAGGCAGGTCCCC 157072
```

RESULT 3
US-09-949-002-705/c
; Sequence 705, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823

; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 705
; LENGTH: 179905
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-705

Query Match   32.0%; Score 44.8; DB 3; Length 179905;
Best Local Similarity 58.1%; Pred. No. 0.021;
Matches   79; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

```
Qy      5 CCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTTCGTCCTCCCATTCTCCC 64
          ||||| ||||||||| |||||||||||| |||||
Db 157207 CCCTCCCCCATCCTTTCTCTCTCTGTCTCTCTCTCGTTCTCTCTCTC 157148

Qy     65 CCACTACTCCCGCCCGTCCCCTCCCGGCGTCTGACGCGACACGGCCGAGCCTTCGGGA 124
          || |||| |||||||  |||||||||||  ||||
Db 157147 CCTCCCTTCCCCTCCCTCCCTGCTATGACTCTGCATTTCACCTCTCCAGGA 157088

Qy    125 TCCTCCTCCGAACCC 140
          || |||||
Db 157087 GGCTAGGCAGGTCCCC 157072
```

RESULT 4
US-09-949-016-15648
; Sequence 15648, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15648
; LENGTH: 101951
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15648

Query Match   31.9%; Score 44.6; DB 3; Length 101951;
Best Local Similarity 71.1%; Pred. No. 0.022;
Matches   59; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

```
Qy     16 CCCTCCCCCTCCCCGTCCTTCCCCTTCGTCCTCCCATTCTCCCCACTACTCCC 75
          |||||||||||| ||||||||||||||||||||| |||||||||
Db 27980 CGCTCCCCTCCCCCTCCCCCCACTCCCCCCCCCCCCTCCC 28039

Qy     76 CGCCCGTCCCCTCCCTCCCGGCGTC 98
          |||||||||||||||||||
Db 28040 CCCTCCCTCCCCCTCCCCCTC 28062
```

RESULT 5
US-09-949-016-12723/c
; Sequence 12723, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12723
; LENGTH: 46823
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(46823)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12723

Query Match   31.7%;   Score 44.4; DB 3;   Length 46823;
Best Local Similarity   58.2%;   Pred. No. 0.023;
Matches   78; Conservative   0; Mismatches   56; Indels   0; Gaps   0;

Qy   1 CTGGCCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCCATTC 60
            |||||||||||||||||||||||||||||||||||| |||| |||||||||||
Db   16843 CTCCTCCTCCTTTTCTCCTCTCCTCTCTTTCTCCATTCCTCCTCCTTGTGCTCCTCCTCC 16784

Qy   61 TCCCCCACTACTCCCCGGCGCCCCGTCCCCCCTCCCCGGCGTCTGACGGACACGCCGAGCCTTC 120
            |||||||| ||||||||
Db   16783 TCCTTCTCCTCCTCCTCCTCCTCCCCCATCCTGTCCTCCTCCTCCCGGTCCTCCTTCCTCTT 16724

Qy   121 GGGATCCTCCTCCC 134
            ||||||||||||
Db   16723 GTCCTCCTCCTCCC 16710

RESULT 6
US-09-949-016-16252/c
; Sequence 16252, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16252
; LENGTH: 46940
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(46940)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16252

Query Match   31.7%;   Score 44.4; DB 3;   Length 46940;
Best Local Similarity   58.2%;   Pred. No. 0.023;
Matches   78; Conservative   0; Mismatches   56; Indels   0; Gaps   0;

Qy   1 CTGGCCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCCATTC 60
            |||||||||||||||||||||||||||||||||||| |||| ||||||||||||
Db   16843 CTCCTCCTCCTTTTCTCCTCTCCTCTCTTTCTCCATTCCTCCTCCTTGTGCTCCTCCTCC 16784

Qy   61 TCCCCCACTACTCCCCGGCGCCCCGTCCCCCCTCCCCGGCGTCTGACGGACACGCCGAGCCTTC 120

; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12723

Db   16783 TCCTTCTCCTCCTCCTCCTCCTCCCCCATCCTGTCCTCCTCCTCCCGGTCCTCCTTCCTCTT 16724

Qy   121 GGGATCCTCCTCCC 134
            ||||||||||||
Db   16723 GTCCTCCTCCTCCC 16710

RESULT 7
US-09-949-016-11990/c
; Sequence 11990, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11990
; LENGTH: 99748
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11990

Query Match   31.7%;   Score 44.4; DB 3;   Length 99748;
Best Local Similarity   61.0%;   Pred. No. 0.025;
Matches   72; Conservative   0; Mismatches   46; Indels   0; Gaps   0;

Qy   17 CCTCCCCTCCCCGTGTCCTTCCCCTCCCCTTCGTCCTCCCCATTCTCCCCCACTACTCCCC 76
            |||||||||||||||| ||| |||| |||||||||||||||||||||||||||
Db   70181 CCTCTCCTCCTCCTCCTCCTCCTCCGTCTCCTCTCCCCCTTCTCCTCCTTCTGCTCTCC 70122

Qy   77 GCCCCGTCCCCCCTCCCCGGCGTCTGACGGACACGCCGAGCCTTCGGGATCCTCCTCCC 134
            |||||| ||||||||
Db   70121 TCTCCTCCTCCTCCTCCTCCGTCCTCCTCCTCCCCCTCCTCTATCCTCCTCCTC 70064

RESULT 8
US-09-949-016-16518/c
; Sequence 16518, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16518
; LENGTH: 99749
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16518

Query Match   31.7%;   Score 44.4; DB 3;   Length 99749;
Best Local Similarity   61.0%;

RESULT 10
US-09-949-016-135107
; Sequence 135107, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 135107
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-135107

Query Match   31.3%; Score 43.8; DB 3; Length 601;
Best Local Similarity   60.5%; Pred. No. 0.02;
Matches   72; Conservative   0; Mismatches 47; Indels   0; Gaps   0;

Qy   16 CCCTCCCCTCCCCGTCCCCCGTCCTTTCCCCCCATTCTCCCCACTACTCCC 75
              |||||||| |||| |||| ||| ||||||||||||||||||||||||||||
Db   352 CCCTCCCCTCCCCTCTCTCCCGTCCTTTCCCTCCTTCCCTGTCCTTTTTCC 411

Qy   76 CGCCCCGTCCCCTCCCGGCGGTCTGACGCGACACGCCGAGCCTTCGGGATCCTCCTCCCC 134
              ||||||||||| |||||||| || ||||||||||||||||||||||||||||
Db   412 CTCTCCCTCCTTCTCCCCATCCTTCTCCCCTGCCTATCCTTCTCCCCTCCCCCCTCTC 470

RESULT 11
US-09-949-016-15525
; Sequence 15525, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15525
; LENGTH: 117807
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15525

Query Match   31.3%; Score 43.8; DB 3; Length 117807;
Best Local Similarity   60.5%; Pred. No. 0.036;
Matches   72; Conservative   0; Mismatches 47; Indels   0; Gaps   0;

Qy   16 CCCTCCCCTCCCCGTCCTTTCCCCCCATTCTCCCCACTACTCCC 75
              |||||||| |||| ||| ||||||||||||||||||||||||||||
Db   54048 CCCTCCCCTCCCCTCTCTCCTTCTCCCCTCCTTCCCTGTCCTTTTTCC 54107

Qy   76 CGCCCCGTCCCCTCCCGGCGTCTGACGCGACACGCCGAGCCTTCGGGATCCTCCTCCCC 134

Matches   72; Conservative   0; Mismatches 46; Indels   0; Gaps   0;

Qy   17 CCCTCCCCTCCCCGTCCTTTCCCCCCGTCCTTTCCCCCCATTCTCCCCACTACTCCCC 76
              ||| ||||||| ||| |||||| || |||||||||||||||||||||||||||||
Db   70181 CCTCTCCCTCCCCTCTCTCGCTCTCTCCTTCTCCCCTTCTCTCCTTGTCTCC 70122

Qy   77 GCCCCGTCCCCTCCCGGCGGTCTGACGCGACACGCCGAGCCTTCGGGATCCTCCTCCCC 134
              ||||||||||| ||||||||| || |||||||||||||||||||||||||
Db   70121 TCTCTCCCTCCTTCTCGCTCTCTCTCGCTCTCTCCTCTCCTATCCTTCTCCTC 70064

RESULT 9
US-09-866-108A-15742
; Sequence 15742, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: Aeomica Sequence Listing Engine
; NUMBER OF SEQ ID NOS: 15755
; SEQ ID NO 15742
; LENGTH: 500
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-15742

Query Match   31.4%; Score 44; DB 3; Length 500;
Best Local Similarity   59.7%; Pred. No. 0.017;
Matches   74; Conservative   0; Mismatches 50; Indels   0; Gaps   0;

Qy   17 CCCTCCCCTCCCCGTCCTTTCCCCCCGTCCTTTCCCCCCATTCTCCCCACTACTCCCC 76
              ||||||||||| ||| |||||| ||||||||||||||||||||||||||||
Db   14 CCCTCCCCTCCCCTCTCTCCGCTCTCTTCCCCTCTCCCCCACCTCCCCCTC 73

Qy   77 GCCCCGTCCCCTCCCGGCGTCTGACGCGACACGCCGAGCCTTCGGGATCCTCCTCCCCTCCCCCACCTCCCCCTCCCCT 136
              ||||||||||| ||||||| || |||||||||||||||||||||||||||||
Db   74 CCCTCCCCGTCCCCTCCCACCTCCCCCTCCCCACCTTCCCCCCACCTTCCCCCCT 133

Qy   137 ACCC 140
              ||||
Db   134 CCCC 137

```
Db     54108  CTCTCCCTCTCTTCTCCCCATCCTTCTCCCCTGCCTATCCTTCTCCCTCTCCCTCTC  54166
              ||| ||| ||| ||||| ||| |    |          |||| |||||  ||||

RESULT 12
US-09-270-767-11042
; Sequence 11042, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
;   APPLICANT: Homburger et al.
;   TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
;   FILE REFERENCE: File Reference: 7326-094
;   CURRENT APPLICATION NUMBER: US/09/270,767
;   CURRENT FILING DATE: 1999-03-17
;   NUMBER OF SEQ ID NOS: 62517
;   SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11042
;   LENGTH: 865.
;   TYPE: DNA
;   ORGANISM: Drosophila melanogaster
;   FEATURE:
;   OTHER INFORMATION: n means any nucleotide
US-09-270-767-11042

Query Match             30.9%;  Score 43.2;  DB 3;  Length 865;
Best Local Similarity   57.4%;  Pred. No. 0.03;
Matches    78;  Conservative    0;  Mismatches   58;  Indels    0;  Gaps    0;

Qy       5  CCACTATTACCCTCCCCTCCCCGTCCTTTCCCCTCCCCTTCGTCTCCCATTCTCCC   64
            |||||       ||| ||||| |||||||||||||||||      |||| |||||

Db     138  CCCCCCCAACACCCCCCCCCCCCCCCCCCCCCCGTCCCCCCCCCCCCCCCCGCCTCCC  197
                                            ||||||||| ||||

Qy      65  CCACTACTCCCGCCCGGCCCGTCCCCCTCCCCGCGGTCTGAGCGGACACGCCGAGCCTTCGGGA  124
            || ||||||||||||||||||| | |||||||||||   |||||   ||||||||||||||

Db     198  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCGCCCCCCCCCGCCCCCCCCCCCCCCCCCCCC  257

Qy     125  TCCTCCTCCCGAACCC  140
            ||| |||||||||||

Db     258  CCCCCGCCCCCCCCCCC  273

RESULT 13
US-09-949-016-17291/c
; Sequence 17291, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
;   CURRENT FILING DATE: 2000-04-14
;   PRIOR APPLICATION NUMBER: 60/241,755
;   PRIOR FILING DATE: 2000-10-20
;   PRIOR APPLICATION NUMBER: 60/237,768
;   PRIOR FILING DATE: 2000-10-03
;   PRIOR APPLICATION NUMBER: 60/231,498
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 207012
;   SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17291
;   LENGTH: 16782
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-17291

Query Match             30.9%;  Score 43.2;  DB 3;  Length 16782;
Best Local Similarity   57.4%;  Pred. No. 0.041;
Matches    78;  Conservative    0;  Mismatches   58;  Indels    0;  Gaps    0;

Qy       5  CCACTATTACCCTCCCCTCCCCGTCCTTTCCCCTCCCCTTCGTCTCCCATTCTCCC   64
            |||||       |||| |||| ||||||||||||||      |||| |||||

Db    1355  CCACCCCCTACTCTCCCCACCCCCTACTCTCCCCACCCCCTACTCTCCCCACCCCCC  1296
```

```
Qy      65  CCACTACTCCCGCCCCCGTCCCCCTCCCGGGCGTCTGAGGCGACACGCCGAGCCTTCGGGA  124
            || |||||  ||||||||||||| ||||   |||    |||   |||||||||||||

Db    1295  CACCCCCTACCTCCCCCACCCCCCCACCCCCTACCCTCCCCA  1236

Qy     125  TCCTCCTCCCGAACCC  140
            ||| ||||||||||

Db    1235  CCCCCTACCCTCCCC  1220

RESULT 14
US-09-165-264-14/c
; Sequence 14, Application US/09165264
; Patent No. 6197510
; GENERAL INFORMATION:
;   APPLICANT: Vinayagamoorthy, Thuraiayah
;   TITLE OF INVENTION: Multi-Loci Genomic Analysis
;   FILE REFERENCE: 44747
;   CURRENT APPLICATION NUMBER: US/09/165,264
;   CURRENT FILING DATE: 1998-10-01
;   NUMBER OF SEQ ID NOS: 14
;   SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
;   LENGTH: 320
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Primer sequence
US-09-165-264-14

Query Match             30.7%;  Score 43;  DB 3;  Length 320;
Best Local Similarity   56.8%;  Pred. No. 0.03;
Matches    79;  Conservative    0;  Mismatches   60;  Indels    0;  Gaps    0;

Qy       2  TGGCCCACTATTTACCCTCCCCCCGTCCTTTCCCCTCCCCCCCCCCCCGTCTCCCATTCT   61
            |||||          |||||  ||||||  ||    |||||||||||| |||| |||

Db     307  TGGCACACCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  248

Qy      62  CCCCCACTACTCCCGCCCGTCCCCCGTCGTGACGGACACGCCGAGCCTTCG  121
            |||        |||||||| |||    |||   |||||   |||||

Db     247  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  188

Qy     122  GGATCCTCCTCCCGAACCC  140
            ||| |||||||||||

Db     187  CCCCCCCCCCCCCCCCCC  169

RESULT 15
US-09-165-264-11/c
; Sequence 11, Application US/09165264
; Patent No. 6197510
; GENERAL INFORMATION:
;   APPLICANT: Vinayagamoorthy, Thuraiayah
;   TITLE OF INVENTION: Multi-Loci Genomic Analysis
;   FILE REFERENCE: 44747
;   CURRENT APPLICATION NUMBER: US/09/165,264
;   CURRENT FILING DATE: 1998-10-01
;   NUMBER OF SEQ ID NOS: 14
;   SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
;   LENGTH: 320
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Primer sequence
US-09-165-264-11

Query Match             30.6%;  Score 42.8;  DB 3;  Length 320;
Best Local Similarity   57.5%;  Pred. No. 0.033;
Matches    79;  Conservative    0;  Mismatches   57;  Indels    0;  Gaps    0;

Qy       7  CACTATTTACCCTCCCCTCCCCGTCCTTTCCCCTCCCCTTCGTCTCCCATTCTCCCC   66
            || || |||   ||||  |||||  |||  |||  |||| ||||  ||||| |||||
```

```
Db    310 CAAAATCTGCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC 251

Qy     67 ACTACTCCCCGCCCCGTCCCCCTCCCGGCGGTCTGACGCGACACGCCGAGCCTTCGGGATC 126
             | ||||||| |||  |||||| ||||||     | | |  |    |   |  | |
Db    250 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC 191

Qy    127 CTCCTCCCGAACCC 140
             | ||  ||| |||
Db    190 CCCCCCCCCCCCCC 177
```

Search completed: December 13, 2005, 23:57:53
Job time : 108.5 secs

```
                  GenCore version 5.1.6
        Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:       December 13, 2005, 23:50:04 ; Search time 684 Seconds
                                           (without alignments)
                                  1692.563 Million cell updates/sec

Title:            US-10-008-721-7
Perfect score:    140
Sequence:         1 ctggcccacattaccctc........gggatccctcccgaaccc 140

Scoring table:    IDENTITY_NUC
                  Gapop 10.0 , Gapext 1.0

Searched:         9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters:    19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :    Published_Applications_NA_Main:*
              1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
              2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
              3: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
              4: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
              5: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
              6: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
              7: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
              8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
              9: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:*
             10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*
```

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.		Score	% Query Match Match	Length	DB	ID	Description
c	1	140	100.0	140	5	US-10-010-920-6	Sequence 6, Appli
c	2	140	100.0	140	5	US-10-010-920-7	Sequence 7, Appli
c	3	140	100.0	140	5	US-10-008-721-6	Sequence 6, Appli
c	4	140	100.0	140	5	US-10-008-721-7	Sequence 7, Appli
c	5	140	100.0	771	5	US-10-010-920-4	Sequence 4, Appli
	6	140	100.0	771	5	US-10-010-920-5	Sequence 5, Appli
c	7	140	100.0	771	5	US-10-008-721-4	Sequence 4, Appli
c	8	140	100.0	771	5	US-10-008-721-5	Sequence 5, Appli
c	9	140	100.0	955	5	US-10-010-920-3	Sequence 3, Appli
c	10	140	100.0	955	5	US-10-008-721-3	Sequence 3, Appli
c	11	50.4	36.0	424	7	US-10-437-963-49515	Sequence 49515, A
c	12	48	34.3	985	8	US-10-425-115-91623	Sequence 91623, A
c	13	47.6	34.0	408	7	US-10-021-323-5007	Sequence 5007, Ap
	14	47	33.6	588	7	US-10-021-323-9377	Sequence 9377, Ap
	15	46.6	33.3	406	7	US-10-021-323-14271	Sequence 14271, A
	16	46.6	33.3	891	8	US-10-425-115-146045	Sequence 146045,
c	17	46.6	33.3	20345	6	US-10-292-798-705	Sequence 705, App
	18	46.4	33.1	675	8	US-10-425-115-45871	Sequence 45871, A
	19	46.2	33.0	92219	8	US-10-322-281-805	Sequence 805, App
	20	46	32.9	692	8	US-10-425-115-26028	Sequence 26028, A
c	21	45.8	32.7	804	7	US-10-424-599-100535	Sequence 100535,
c	22	45.6	32.6	614	8	US-10-425-115-94057	Sequence 94057, A
c	23	45.6	32.6	629	7	US-10-021-323-9375	Sequence 9375, Ap
	24	45.2	32.3	673	8	US-10-425-115-11145	Sequence 11145, A
c	25	45.2	32.3	1065	3	US-09-804-682-33	Sequence 33, Appl
	26	45	32.1	263	7	US-10-021-323-16665	Sequence 16665, A
	27	45	32.1	668	7	US-10-437-963-3757	Sequence 3757, Ap
	28	45	32.1	766	8	US-10-425-115-82176	Sequence 82176, A
	29	45	32.1	925	7	US-10-437-963-44536	Sequence 44536, A
c	30	45	32.1	1211	8	US-10-425-115-93385	Sequence 93385, A
c	31	45	32.1	1385	7	US-10-398-221-1379	Sequence 1379, Ap
c	32	45	32.1	1385	7	US-10-398-221-2930	Sequence 2930, Ap
	33	44.8	32.0	294	8	US-10-425-115-79029	Sequence 79029, A
c	34	44.8	32.0	447	7	US-10-021-323-10481	Sequence 10481, A
	35	44.8	32.0	492	7	US-10-424-599-59619	Sequence 59619, A
	36	44.8	32.0	545	7	US-10-437-963-56258	Sequence 56258, A
	37	44.8	32.0	580	7	US-10-424-599-2320	Sequence 2320, Ap
	38	44.8	32.0	636	8	US-10-425-115-168126	Sequence 168126,
	39	44.8	32.0	1087	7	US-10-424-599-81404	Sequence 81404, A
	40	44.8	32.0	189817	7	US-10-741-601-5660	Sequence 5660, Ap
	41	44.8	32.0	189817	7	US-10-741-600-17685	Sequence 17685, A
c	42	44.6	31.9	522	5	US-10-027-632-134954	Sequence 134954,
c	43	44.6	31.9	522	5	US-10-027-632-134955	Sequence 134955,
c	44	44.6	31.9	522	5	US-10-027-632-134954	Sequence 134954,
c	45	44.6	31.9	522	6	US-10-027-632-134955	Sequence 134955,

ALIGNMENTS

```
RESULT 1
US-10-010-920-6/c
; Sequence 6, Application US/10010920
; Publication No. US20030027165A1
; GENERAL INFORMATION:
; APPLICANT: Saus, Juan
; TITLE OF INVENTION: Alternately spliced polK nucleotide and amino acid sequences
; TITLE OF INVENTION: and methods for using
; FILE REFERENCE: 98,723-E3
; CURRENT APPLICATION NUMBER: US/10/010,920
; CURRENT FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/254,649
; PRIOR FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 140
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-010-920-6

Query Match             100.0%;  Score 140;  DB 5;  Length 140;
Best Local Similarity   100.0%;  Pred. No. 4.7e-29;
Matches  140;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy    1 CTGGCCCACTATTTACCCTCCCCCCTCCCCCTCCCCCTTCCCCCTCCCCCTTCGTCCTCCCCATTC   60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  140 CTGGCCCACTATTTACCCTCCCCCCTCCCCCTCCCCCTTCCCCCTCCCCCTTCGTCCTCCCCATTC   81

Qy   61 TCCCCCACTACTCCCGGCCCGTCCCCCTCCCGGCGTCTGAGCGGACACGGCCGAGCCTTC  120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   80 TCCCCCACTACTCCCGGCCCGTCCCCCTCCCGGCGTCTGAGCGGACACGGCCGAGCCTTC   21

Qy  121 GGGATCCTCCTCCCGAACCC  140
        ||||||||||||||||||||
Db   20 GGGATCCTCCTCCCGAACCC    1

RESULT 2
US-10-010-920-7
; Sequence 7, Application US/10010920
; Publication No. US20030027165A1
; GENERAL INFORMATION:
; APPLICANT: Saus, Juan
; TITLE OF INVENTION: Alternately spliced polK nucleotide and amino acid sequences
; TITLE OF INVENTION: and methods for using
```

; FILE REFERENCE: 98,723-E3
; CURRENT APPLICATION NUMBER: US/10/010,920
; CURRENT FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/254,649
; PRIOR FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 140
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-010-920-7

Query Match   100.0%; Score 140; DB 5; Length 140;
Best Local Similarity   100.0%; Pred. No. 4.7e-29;
Matches 140; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CTGGCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCATTC 60
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1 CTGGCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCATTC 60

Qy   61 TCCCCACTACTCCCCGCCCGTCCCCTCCCGGCGTCTGACGGGACACGCCGAGCCTTC 120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 TCCCCACTACTCCCCGCCCGTCCCCTCCCGGCGTCTGACGGGACACGCCGAGCCTTC 120

Qy   121 GGGATCCTCCTCCCGAACCC 140
          ||||||||||||||||||||
Db   121 GGGATCCTCCTCCCGAACCC 140

RESULT 5
US-10-010-920-4/c
; Sequence 4, Application US/10010920
; Publication No. US2003002716SA1
; GENERAL INFORMATION:
; APPLICANT: Saus, Juan
; TITLE OF INVENTION: Alternatively spliced polk nucleotide and amino acid sequences
; TITLE OF INVENTION: and methods for using
; FILE REFERENCE: 98,723-E3
; CURRENT APPLICATION NUMBER: US/10/010,920
; CURRENT FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/254,649
; PRIOR FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 771
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-010-920-4

Query Match   100.0%; Score 140; DB 5; Length 771;
Best Local Similarity   100.0%; Pred. No. 3.4e-29;
Matches 140; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CTGGCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCATTC 60
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   716 CTGGCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCATTC 657

Qy   61 TCCCCACTACTCCCCGCCCGTCCCCTCCCGGCGTCTGACGGGACACGCCGAGCCTTC 120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   656 TCCCCACTACTCCCCGCCCGTCCCCTCCCGGCGTCTGACGGGACACGCCGAGCCTTC 597

Qy   121 GGGATCCTCCTCCCGAACCC 140
          ||||||||||||||||||||
Db   596 GGGATCCTCCTCCCGAACCC 577

RESULT 6
US-10-010-920-5
; Sequence 5, Application US/10010920
; Publication No. US2003002716SA1

; FILE REFERENCE: 98,723-E3
; CURRENT APPLICATION NUMBER: US/10/010,920
; CURRENT FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/254,649
; PRIOR FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 140
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-010-920-7

Query Match   100.0%; Score 140; DB 5; Length 140;
Best Local Similarity   100.0%; Pred. No. 4.7e-29;
Matches 140; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CTGGCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCATTC 60
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1 CTGGCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCATTC 60

Qy   61 TCCCCACTACTCCCCGCCCGTCCCCTCCCGGCGTCTGACGGGACACGCCGAGCCTTC 120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 TCCCCACTACTCCCCGCCCGTCCCCTCCCGGCGTCTGACGGGACACGCCGAGCCTTC 120

Qy   121 GGGATCCTCCTCCCGAACCC 140
          ||||||||||||||||||||
Db   121 GGGATCCTCCTCCCGAACCC 140

RESULT 3
US-10-008-721-6/c
; Sequence 6, Application US/10008721
; Publication No. US20030082745A1
; GENERAL INFORMATION:
; APPLICANT: Saus, Juan
; TITLE OF INVENTION: TNF-Inducible Promoters and Methods for Using
; FILE REFERENCE: 98,723-E1
; CURRENT APPLICATION NUMBER: US/10/008,721
; CURRENT FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/254,649
; PRIOR FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 140
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-008-721-6

Query Match   100.0%; Score 140; DB 5; Length 140;
Best Local Similarity   100.0%; Pred. No. 4.7e-29;
Matches 140; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CTGGCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCATTC 60
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1 CTGGCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCATTC 60

Qy   61 TCCCCACTACTCCCCGCCCGTCCCCTCCCGGCGTCTGACGGGACACGCCGAGCCTTC 120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 TCCCCACTACTCCCCGCCCGTCCCCTCCCGGCGTCTGACGGGACACGCCGAGCCTTC 120

Qy   121 GGGATCCTCCTCCCGAACCC 140
          ||||||||||||||||||||
Db   121 GGGATCCTCCTCCCGAACCC 140

RESULT 4
US-10-008-721-7
; Sequence 7, Application US/10008721
; Publication No. US20030082745A1
; GENERAL INFORMATION:
; APPLICANT: Saus, Juan

; FILE REFERENCE: 98,723-E1
; CURRENT APPLICATION NUMBER: US/10/008,721
; CURRENT FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/254,649
; PRIOR FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 140
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-008-721-7

Query Match   100.0%; Score 140; DB 5; Length 140;
Best Local Similarity   100.0%; Pred. No. 4.7e-29;
Matches 140; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CTGGCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCATTC 60
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   140 CTGGCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTTCGTCCTCCCATTC 81

Qy   61 TCCCCACTACTCCCCGCCCGTCCCCTCCCGGCGTCTGACGGGACACGCCGAGCCTTC 120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   80 TCCCCACTACTCCCCGCCCGTCCCCTCCCGGCGTCTGACGGGACACGCCGAGCCTTC 21

Qy   121 GGGATCCTCCTCCCGAACCC 140
          ||||||||||||||||||||
Db   20 GGGATCCTCCTCCCGAACCC 1

RESULT 4
US-10-008-721-7
; Sequence 7, Application US/10008721
; Publication No. US20030082745A1
; GENERAL INFORMATION:
; APPLICANT: Saus, Juan

; GENERAL INFORMATION:
;   APPLICANT: Saus, Juan
;   TITLE OF INVENTION: Alternatively spliced polk nucleotide and amino acid sequences
;   TITLE OF INVENTION: and methods for using
;   FILE REFERENCE: 98,723-E3
;   CURRENT APPLICATION NUMBER: US/10/010,920
;   CURRENT FILING DATE: 2001-12-07
;   PRIOR APPLICATION NUMBER: 60/254,649
;   PRIOR FILING DATE: 2000-12-08
;   NUMBER OF SEQ ID NOS: 102
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO 5
;   LENGTH: 771
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-010-920-5

Query Match   100.0%;   Score 140; DB 5; Length 771;
Best Local Similarity 100.0%;   Pred. No. 3.4e-29;
Matches 140; Conservative   0; Mismatches 0; Indels   0; Gaps   0;

```
Qy     1 CTGGCCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTCGTCCTCCCATTC 60
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    56 CTGGCCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTCGTCCTCCCATTC 115

Qy    61 TCCCCACTACTCCCCGCCCCGTCCCCTCCGGCGTCTGACGGGACACGCCGAGCCTTC 120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   116 TCCCCACTACTCCCCGCCCCGTCCCCTCCGGCGTCTGACGGGACACGCCGAGCCTTC 175

Qy   121 GGGATCCTCCTCCCGAACCC 140
          ||||||||||||||||||||
Db   176 GGGATCCTCCTCCCGAACCC 195
```

RESULT 7
US-10-008-721-4/c
;   Sequence 4, Application US20030082745A1
;   Publication No. US20030082745A1
;   GENERAL INFORMATION:
;   APPLICANT: Saus, Juan
;   TITLE OF INVENTION: TNF-Inducible Promoters and Methods for Using
;   FILE REFERENCE: 98,723-E1
;   CURRENT APPLICATION NUMBER: US/10/008,721
;   CURRENT FILING DATE: 2001-12-07
;   PRIOR APPLICATION NUMBER: 60/254,649
;   PRIOR FILING DATE: 2000-12-08
;   NUMBER OF SEQ ID NOS: 102
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO 4
;   LENGTH: 771
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-008-721-4

Query Match   100.0%;   Score 140; DB 5; Length 771;
Best Local Similarity 100.0%;   Pred. No. 3.4e-29;
Matches 140; ·Conservative   0; Mismatches 0; Indels   0; Gaps   0;

```
Qy     1 CTGGCCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTCGTCCTCCCATTC 60
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   716 CTGGCCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTCGTCCTCCCATTC 657

Qy    61 TCCCCACTACTCCCCGCCCCGTCCCCTCCGGCGTCTGACGGGACACGCCGAGCCTTC 120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   656 TCCCCACTACTCCCCGCCCCGTCCCCTCCGGCGTCTGACGGGACACGCCGAGCCTTC 597

Qy   121 GGGATCCTCCTCCCGAACCC 140
          ||||||||||||||||||||
Db   596 GGGATCCTCCTCCCGAACCC 577
```

RESULT 8
US-10-008-721-5

;   Sequence 5, Application US/10008721
;   Publication No. US20030082745A1
;   GENERAL INFORMATION:
;   APPLICANT: Saus, Juan
;   TITLE OF INVENTION: TNF-Inducible Promoters and Methods for Using
;   FILE REFERENCE: 98,723-E1
;   CURRENT APPLICATION NUMBER: US/10/008,721
;   CURRENT FILING DATE: 2001-12-07
;   PRIOR APPLICATION NUMBER: 60/254,649
;   PRIOR FILING DATE: 2000-12-08
;   NUMBER OF SEQ ID NOS: 102
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO 5
;   LENGTH: 771
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-008-721-5

Query Match   100.0%;   Score 140; DB 5; Length 771;
Best Local Similarity 100.0%;   Pred. No. 3.4e-29;
Matches 140; Conservative   0; Mismatches 0; Indels . 0; Gaps   0;

```
Qy     1 CTGGCCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTCGTCCTCCCATTC 60
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    56 CTGGCCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTCGTCCTCCCATTC 115

Qy    61 TCCCCACTACTCCCCGCCCCGTCCCCTCCGGCGTCTGACGGGACACGCCGAGCCTTC 120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   116 TCCCCACTACTCCCCGCCCCGTCCCCTCCGGCGTCTGACGGGACACGCCGAGCCTTC 175

Qy   121 GGGATCCTCCTCCCGAACCC 140
          ||||||||||||||||||||
Db   176 GGGATCCTCCTCCCGAACCC 195
```

RESULT 9
US-10-010-920-3/c
;   Sequence 3, Application US/10010920
;   Publication No. US20030027165A1
;   GENERAL INFORMATION:
;   APPLICANT: Saus, Juan
;   TITLE OF INVENTION: Alternatively spliced polk nucleotide and amino acid sequences
;   TITLE OF INVENTION: and methods for using
;   FILE REFERENCE: 98,723-E3
;   CURRENT APPLICATION NUMBER: US/10/010,920
;   CURRENT FILING DATE: 2001-12-07
;   PRIOR APPLICATION NUMBER: 60/254,649
;   PRIOR FILING DATE: 2000-12-08
;   NUMBER OF SEQ ID NOS: 102
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO 3
;   LENGTH: 955
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-010-920-3

Query Match   100.0%;   Score 140; DB 5; Length 955;
Best Local Similarity 100.0%;   Pred. No. 3.3e-29;
Matches 140; Conservative   0; Mismatches 0; Indels   0; Gaps   0;

```
Qy     1 CTGGCCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTCGTCCTCCCATTC 60
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   865 CTGGCCCACTATTTACCCTCCCCTCCCCTGTCCTTCCCCTCCCCTCGTCCTCCCATTC 806

Qy    61 TCCCCACTACTCCCCGCCCCGTCCCCTCCGGCGTCTGACGGGACACGCCGAGCCTTC 120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   805 TCCCCACTACTCCCCGCCCCGTCCCCTCCGGCGTCTGACGGGACACGCCGAGCCTTC 746

Qy   121 GGGATCCTCCTCCCGAACCC 140
          ||||||||||||||||||||
Db   745 GGGATCCTCCTCCCGAACCC 726
```

RESULT 10
US-10-008-721-3/c
; Sequence 3, Application US/10008721
; Publication No. US2003008274SA1
; GENERAL INFORMATION:
;   APPLICANT: Saus, Juan
;   TITLE OF INVENTION: TNF-Inducible Promoters and Methods for Using
;   FILE REFERENCE: 98,721-E1
;   CURRENT APPLICATION NUMBER: US/10/008,721
;   CURRENT FILING DATE: 2001-12-07
;   PRIOR APPLICATION NUMBER: 60/254,649
;   PRIOR FILING DATE: 2000-12-08
;   SOFTWARE: Patentin Ver. 2.0
;   NUMBER OF SEQ ID NOS: 102
; SEQ ID NO 3
;   LENGTH: 955
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-008-721-3

Query Match   100.0%; Score 140; DB 5; Length 955;
Best Local Similarity   100.0%; Pred. No. 3.3e-29;
Matches 140; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CTGGCCCACTATTACCCTCCCCGTCCCTTCCCCTCCCCTTCGTCCTCCATTC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   865 CTGGCCCACTATTACCCTCCCCGTCCCTTCCCCTCCCCTTCGTCCTCCATTC 806

Qy   61 TCCCCCACTACTCCCCGCCCCGTCCCCCTCCGGCGTCTGACGCGACACGCGAGCCTTC 120
              |||||||||||||||||||||||||||||||||||||||||||
Db   805 TCCCCCACTACTCCCCGCCCCGTCCCCCTCCGGCGTCTGACGCGACACGCGAGCCTTC 746

Qy   121 GGGATCCTCCTCCCGAACCC 140
              ||||||||||||||||||||
Db   745 GGGATCCTCCTCCCGAACCC 726

RESULT 11
US-10-437-963-49515
; Sequence 49515, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
;   APPLICANT: La Rosa, Thomas J.
;   APPLICANT: Kovalic, David K.
;   APPLICANT: Zhou, Yihua
;   APPLICANT: Cao, Yongwei
;   APPLICANT: Wu, Wei
;   APPLICANT: Boukharov, Andrey A.
;   APPLICANT: Barbazuk, Brad
;   APPLICANT: Li, Ping
;   TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
;   FILE REFERENCE: 38-21(53221)B
;   CURRENT APPLICATION NUMBER: US/10/437,963
;   CURRENT FILING DATE: 2003-05-14
;   NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 49515
;   LENGTH: 424
;   TYPE: DNA
;   ORGANISM: Oryza sativa
;   FEATURE:
;   OTHER INFORMATION: Clone ID: PAT_MRT4530_52092C.1
US-10-437-963-49515

Query Match   36.0%; Score 50.4; DB 7; Length 424;
Best Local Similarity   60.0%; Pred. No. 0.00012;
Matches   84; Conservative   0; Mismatches 56; Indels   0; Gaps   0;

Qy   1 CTGGCCCACTATTACCCTCCCCGTCCCTTCCCCTCCCCTTCGTCCTCCATTC 60
              ||||| |||| ||||||||||||
Db   131 CTCCCCCCCCTCCCCCCCCCCCCCCCCCCCCCCCCTTCCCCCTTCCCCTCCCC 190

Qy   61 TCCCCCACTACTCCCCGCCCCGTCCCCCTCCGGCGTCTGACGCGACACGCGAGCCTTC 120

Db   191 TCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCTCCCCACCCTCCCCCCCCCC 250
              ||||||| |||||| ||| || || || |||| || ||| ||
Qy   121 GGGATCCTCCTCCCGAACCC 140
              ||||||||||||||||||||
Db   251 CCCCCCCCCCCCCCCCCCCC 270

RESULT 12
US-10-425-115-91623/c
; Sequence 91623, Application US/10425115
; Publication No. US2004021427 2A1
; GENERAL INFORMATION:
;   APPLICANT: La Rosa, Thomas J.
;   APPLICANT: Kovalic, David K.
;   APPLICANT: Zhou, Yihua
;   APPLICANT: Cao, Yongwei
;   TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION: Plants
;   FILE REFERENCE: 38-21(53222)B
;   CURRENT APPLICATION NUMBER: US/10/425,115
;   CURRENT FILING DATE: 2003-04-28
;   NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 91623
;   LENGTH: 985
;   TYPE: DNA
;   ORGANISM: Zea mays
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (1)..(985)
;   OTHER INFORMATION: unsure at all n locations
;   FEATURE:
;   OTHER INFORMATION: Clone ID: MRT4577_183557C.1
US-10-425-115-91623

Query Match   34.3%;   Score 48; DB 8; Length 985;
Best Local Similarity   59.6%;   Pred. No. 0.00047;
Matches   81; Conservative   0; Mismatches 55; Indels   0; Gaps   0;

Qy   5 CCCACTATTACCCTCCCCCCGTCCTTTCCCCCTCCCCTTCGTCCTCCATTCTCCC 64
              |||| ||||| |||| ||| || |||
Db   671 CCCCCGACCCACCCCCCCCCCCCCCCGCCCCACCCCCCCC 612

Qy   65 CCACTACTCCCCGCCCCGTCCCCCTCCGGCGGTCTGACGGGGACACGCGAGCCTTCGGGA 124
              ||||| |||||| |||| ||
Db   611 CCCCCCCACCCCCCCCCCCCCCCCCACCCCCCCCCCCCCCCCCCCCCCCCC 552

Qy   125 TCCTCCTCCCGAACCC 140
              ||||||||||||||||
Db   551 CCCCCCCCCCCCACCC 536

RESULT 13
US-10-021-323-5007/c
; Sequence 5007, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
;   APPLICANT: Deikman, Jill
;   APPLICANT: Feng, Paul C.C.
;   APPLICANT: Fincher, Karen L.
;   APPLICANT: Ziegler, Todd E.
;   TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION: Plants
;   FILE REFERENCE: 38-21(52274)B
;   CURRENT APPLICATION NUMBER: US/10/021,323
;   CURRENT FILING DATE: 2001-12-12
;   PRIOR APPLICATION NUMBER: US 60/255, 619
;   PRIOR FILING DATE: 2000-12-14
;   NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 5007
;   LENGTH: 408
;   TYPE: DNA
;   ORGANISM: Gossypium hirsutum

; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3826-001-Q1-N6-H3
US-10-021-323-5007

Query Match   34.0%;   Score 47.6; DB 7;   Length 408;
Best Local Similarity 69.1%;   Pred. No. 0.00071;
Matches 65; Conservative   0; Mismatches 29; Indels   0; Gaps   0;

Qy   5 CCCACTATTACCCTCCCCTCCCCCCCTGTCCTTCCCCTCCGTCCTCCCATTCTCCC 64
          ||||| ||| |||| | ||||| | |||||||||| ||||| |||| |||||
Db   235 CCCACAGGTTCCCCTTCTTTCCCTTTCCCCTTTCCCCCCTCCGTCCCCCCCCCTCCC 176

Qy   65 CCACTACTCCCGCGCCCCGTCCCCCTCCCGGCGTC 98
          || | |||| ||||| ||| ||| ||| |||
Db   175 CCCTTCCCCCCCCCCCTTTGCCCCCTCCTTC 142

RESULT 14
US-10-021-323-9377/c
; Sequence 9377, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Fincher, Karen L.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 9377
; LENGTH: 588
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(588)
; OTHER INFORMATION: unsure at all n locations
; OTHER INFORMATION: Clone ID: LIB3828-025-Q6-K6-D5
US-10-021-323-9377

Query Match   33.6%;   Score 47; DB 7;   Length 588;
Best Local Similarity 62.2%;   Pred. No. 0.00097;
Matches 74; Conservative   0; Mismatches 45; Indels   0; Gaps   0;

Qy   16 CCCTCCCCTCCCGTCCTTCCCCTCCCCTCGTCCTCCCCATTCTCCCCACTACTCCC 75
          ||||| |||| | || |||||| ||||||| | ||| |||||| | | ||
Db   515 CCCCCCCCCCCCCCCCCCTTCCCCCCCCCCCCCCCCCCCCTCCCCCCCCCCTCC 456

Qy   76 CGCCCCGTCCCCCTCCCGGCGTCTGACGCGACACGCCCGAGCCTTCGGGATCCTCCTCCC 134
          | |||| ||||| | |||| ||| | || || ||| || ||| ||||||
Db   455 CCCCCCCTCCCCCCCCCCCCCCC ||| || ||||||| CCCCCCCCCCTCCC 397

RESULT 15
US-10-021-323-14271
; Sequence 14271, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Fincher, Karen L.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619

; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 14271
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(406)
; OTHER INFORMATION: unsure at all n locations
; OTHER INFORMATION: Clone ID: LIB3829-031-Q6-N6-H2
US-10-021-323-14271

Query Match   33.3%;   Score 46.6; DB 7;   Length 406;
Best Local Similarity 60.8%;   Pred. No. 0.0013;
Matches 76; Conservative   0; Mismatches 49; Indels   0; Gaps   0;

Qy   16 CCCTCCCCTCCCGTCCTTCCCCTCCCCTCGTCCTCCCCATTCTCCCCACTACTCCC 75
          ||| |||| |||||||||||| ||||| | |||||| | ||| ||||
Db   197 CCCCCCCCCCCCCCCCCCTTTCTCTCTCCCCCCCCCCCCCCCCCCCCCCCCCCCCC 256

Qy   76 CGCCCCGTCCCCCTCCCGGCGTCTGACGCGACACGCCCGAGCCTTCGGGATCCTCCTCCCG 135
          | |||| ||||| ||||| | | || |||| ||| ||
Db   257 CCCCCCCCCCCCTCCCCCCCCCCCCCCCCCCCCCCCTTTCTCCCCCC 316

Qy   136 AACCC 140
          |||
Db   317 CCCCC 321

Search completed: December 14, 2005, 03:42:03
Job time : 685 secs

```
                    GenCore version 5.1.6
          Copyright (c) 1993 - 2005  Compugen Ltd.

OM nucleic : nucleic search, using sw model

Run on:     December 13, 2005, 21:35:15 ; Search time 106.5 Seconds
                                          (without alignments)
                                 2336.701 Million cell updates/sec

Title:          US-10-008-721-6
Perfect score:  140
Sequence:       1 gggttcgggaggaggatccc.........gagggtaaatagtgggccag 140
Scoring table:  IDENTITY_NUC
                Gapop 10.0 , Gapext 1.0

Searched:       1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters:   2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :      Issued Patents NA:*
        1: /cgn2_6/ptodata/1/ina/1_COMB.seq:*
        2: /cgn2_6/ptodata/1/ina/5_COMB.seq:*
        3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
        4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
        5: /cgn2_6/ptodata/1/ina/H_COMB.seq:*
        6: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
        7: /cgn2_6/ptodata/1/ina/PP_COMB.seq:*
        8: /cgn2_6/ptodata/1/ina/RE_COMB.seq:*
        9: /cgn2_6/ptodata/1/ina/backfiles1.seq:*
```

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.		Score	Query Match	Length	DB	ID	Description
c	1	49	35.0	7218	2	US-08-232-463-14	Sequence 14, Appl
	2	44.8	32.0	179904	3	US-09-949-002-577	Sequence 577, App
	3	44.8	32.0	179905	3	US-09-949-002-705	Sequence 705, App
c	4	44.6	31.9	101951	3	US-09-949-016-15648	Sequence 15648, A
	5	44.4	31.7	46823	3	US-09-949-016-12723	Sequence 12723, A
	6	44.4	31.7	46940	3	US-09-949-016-16252	Sequence 16252, A
	7	44.4	31.7	99748	3	US-09-949-016-11990	Sequence 11990, A
	8	44.4	31.7	99749	3	US-09-949-016-16518	Sequence 16518, A
c	9	44	31.4	500	3	US-09-866-108A-15742	Sequence 15742, A
c	10	43.8	31.3	601	3	US-09-949-016-135107	Sequence 135107,
c	11	43.8	31.3	117807	3	US-09-949-016-15525	Sequence 15525, A
c	12	43.2	30.9	865	3	US-09-270-767-11042	Sequence 11042, A
	13	43.2	30.9	16782	3	US-09-949-016-17291	Sequence 17291, A
	14	43	30.7	320	3	US-09-165-264-14	Sequence 14, Appl
	15	42.8	30.6	320	3	US-09-165-264-11	Sequence 11, Appl
	16	42.6	30.4	320	3	US-09-165-264-13	Sequence 13, Appli
c	17	42.4	30.3	53526	3	US-08-658-136-2	Sequence 2, Appli
c	18	42.4	30.3	53577	3	US-08-658-136-1	Sequence 1, Appl
	19	42.4	30.3	53577	3	US-08-460-215A-1	Sequence 1, Appli
c	20	42.4	30.3	119032	3	US-09-949-016-12160	Sequence 12160, A
c	21	42.4	30.3	119032	3	US-09-949-016-17268	Sequence 17268, A
c	22	42.2	30.1	320	3	US-09-165-264-7	Sequence 7, Appli
c	23	41.8	29.9	1469	3	US-09-865-879-12	Sequence 12, Appl
c	24	41.6	29.7	318	3	US-09-165-264-12	Sequence 12, Appl
c	25	41.2	29.4	319	3	US-09-165-264-8	Sequence 8, Appli
	26	41.2	29.4	264665	3	US-09-949-016-13747	Sequence 13747, A
	27	41	29.3	253345	3	US-09-949-016-12656	Sequence 12656, A
	28	41	29.3	253364	3	US-09-949-016-13639	Sequence 13639, A
c	29	40.6	29.0	936	3	US-09-270-767-4464	Sequence 4464, Ap
	30	40.6	29.0	936	3	US-09-270-767-19746	Sequence 19746, A
c	31	40.6	29.0	9293	3	US-09-949-016-16801	Sequence 16801, A
c	32	40.6	29.0	37875	3	US-09-949-016-13182	Sequence 13182, A
	33	40.4	28.9	204	3	US-09-107-433-2184	Sequence 2184, Ap
	34	40.4	28.9	209	3	US-09-107-433-185	Sequence 185, App
c	35	40.4	28.9	282	3	US-09-107-433-184	Sequence 184, App
	36	40.4	28.9	308	3	US-09-107-433-1723	Sequence 1723, Ap
	37	40.4	28.9	612	3	US-09-107-433-1970	Sequence 1970, Ap
c	38	40.2	28.7	83617	3	US-09-949-016-12254	Sequence 12254, A
	39	40.2	28.7	87870	3	US-09-949-016-14461	Sequence 14461, A
c	40	39.8	28.4	390890	3	US-09-949-016-14720	Sequence 14720, A
c	41	39.6	28.3	12001	2	US-08-458-568A-11	Sequence 11, Appl
	42	39.6	28.3	60990	3	US-09-949-016-14080	Sequence 14080, A
	43	39.6	28.3	256287	3	US-09-949-016-14608	Sequence 14608, A
c	44	39.4	28.1	601	3	US-09-949-016-127819	Sequence 127819,
c	45	39.4	28.1	601	3	US-09-949-016-127820	Sequence 127820,

ALIGNMENTS

```
RESULT 1
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
;  APPLICANT: DORNER, F.
;  APPLICANT: SCHEIFLINGER, F.
;  APPLICANT: FALKNER, F. G.
;  TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
;  NUMBER OF SEQUENCES: 52
;  CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Foley & Lardner
;   STREET: 1800 Diagonal Road, Suite 500
;   CITY: Alexandria
;   STATE: VA
;   COUNTRY: USA
;   ZIP: 22313-0299
;  COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;  CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/232,463
;   FILING DATE:
;   CLASSIFICATION: 435
;  PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US/07/935,313
;   FILING DATE:
;   APPLICATION NUMBER: EP 91 114 300.6
;   FILING DATE: 26-AUG-1991
;  ATTORNEY/AGENT INFORMATION:
;   NAME: BENT, Stephen A.
;   REGISTRATION NUMBER: 29,768
;   REFERENCE/DOCKET NUMBER: 30472/114 IMMU
;  TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (703)836-9300
;   TELEFAX: (703)683-4109
;   TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
;  SEQUENCE CHARACTERISTICS:
;   LENGTH: 7218 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;  IMMEDIATE SOURCE:
;   CLONE: pTZgpt-F1s
```

US-08-232-463-14

```
Query Match          35.0%;  Score 49;  DB 2;  Length 7218;
Best Local Similarity   3.0%;  Pred. No. 0.0013;
Matches     4;  Conservative  103;  Mismatches  28;  Indels   0;  Gaps   0;

Qy        2 GGTTCGGGAGGAGGATCCCGAAGGCTCGGCGTCCGGCGTCTGCCGTCCAGCACGCCGGAGGGGGGACGGG 61
            ||:||:|||| : :::::: :: :::::::::: :::::::::: :::::::::::
Db     1439 GGTACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1380

Qy       62 GCGCGGGGAGTAGTGGGGAGAATGGGAGGACGAAGGGAGGGGAAAGGACAGGGGAGGGG 121
            ::::::::: :::::::: :::::::::::::: :::::::::::
Db     1379 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1320

Qy      122 AGGGTAAATAGTGGG 136
            :::: ::: :: :::
Db     1319 RRRRRRRRRRRRRR 1305
```

RESULT 2
US-09-949-002-577
; Sequence 577, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
;   TITLE OF INVENTION: AND USES THEREOF
;   FILE REFERENCE: CL000790
;   CURRENT APPLICATION NUMBER: US/09/949,002
;   CURRENT FILING DATE: 2000-01-28
;   PRIOR APPLICATION NUMBER: 60/231,401
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 10823
; SEQ ID NO 577
;   LENGTH: 179904
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-002-577

```
Query Match          32.0%;  Score 44.8;  DB 3;  Length 179904;
Best Local Similarity   58.1%;  Pred. No. 0.021;
Matches    79;  Conservative   0;  Mismatches  57;  Indels   0;  Gaps   0;

Qy        1 GGGTTCGGGAGGAGGATCCCGAAGGCTCGGCGTCCGGCGTCTGCCGTCCAGCACGCCGGAGGGGGGACG 60
            |||||  ||||  |       |  |||||||||
Db   157072 GGGGACCTGCCTAGCCTCCTGGAGAGTCATAGCAGGGGAGGGGAAGGA 157131

Qy       61 GCGCGGGGAGTAGTGGGGAGAATGGGAGGACGAAGGGAGGGGAAAGGACAGGGGAGGGG 120
            ||||||  | |||||| ||  ||||||||||||||| ||| ||||| ||| |||||||
Db   157132 GGGAGGGGAAGGGAGGGAGGAGAAGAACAGAGGGGAGAAGAGAACAGAGAGAGAGAA 157191

Qy      121 GAGGGTAAATAGTGGG 136
            ||||  |||
Db   157192 AAGGATGAGGGAGGG 157207
```

RESULT 3
US-09-949-002-705
; Sequence 705, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
;   TITLE OF INVENTION: AND USES THEREOF
;   FILE REFERENCE: CL000790
;   CURRENT APPLICATION NUMBER: US/09/949,002
;   CURRENT FILING DATE: 2000-01-28
;   PRIOR APPLICATION NUMBER: 60/231,401
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 10823

; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 705
;   LENGTH: 179905
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-002-705

```
Query Match          32.0%;  Score 44.8;  DB 3;  Length 179905;
Best Local Similarity   58.1%;  Pred. No. 0.021;
Matches    79;  Conservative   0;  Mismatches  57;  Indels   0;  Gaps   0;

Qy        1 GGGTTCGGGAGGAGGATCCCGAAGGCTCGGCGTCGCGTCGCGTGTCGCCGGAGGGGGGACG 60
            |||||  ||||  |       |  |||||||||
Db   157072 GGGGACCTGCCTAGCCTCCTGGAGAGTCATAGCAGGGGAGGGGAAGGA 157131

Qy       61 GGGCGGGGAGTAGTGGGGAGGAATGGGAGGACGAAGGGAGGGGAAAGGACAGGGGAGGGG 120
            ||||||  | |||||| ||  ||||||||||||| ||| ||||| ||| |||||||
Db   157132 GGGAGGGGAAGGGAGGGAGGAGAAGAACAGAGGGGAGAAGAGAACAGAGAGAGAGAA 157191

Qy      121 GAGGGTAAATAGTGGG 136
            ||||  |||
Db   157192 AAGGATGGAGGGAGGG 157207
```

RESULT 4
US-09-949-016-15648/c
; Sequence 15648, Application US/0994016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
;   CURRENT FILING DATE: 2000-04-14
;   PRIOR APPLICATION NUMBER: 60/241,755
;   PRIOR FILING DATE: 2000-10-20
;   PRIOR APPLICATION NUMBER: 60/237,768
;   PRIOR FILING DATE: 2000-10-03
;   PRIOR APPLICATION NUMBER: 60/231,498
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15648
;   LENGTH: 101951
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-15648

```
Query Match          31.9%;  Score 44.6;  DB 3;  Length 101951;
Best Local Similarity   71.1%;  Pred. No. 0.022;
Matches    59;  Conservative   0;  Mismatches  24;  Indels   0;  Gaps   0;

Qy       43 GACGCCCGGAGGGGGACGGGCGGGGAGTAGTGGGGAGAATGGGAGGACGAAGGGGAGG 102
            ||||||||||| ||| ||||||||||||||||||||||||||||||||||||||||
Db   28062 GAGGGAGGAGGGAGGGAGGGGAGTGGGGGAGGGGGAGGGGGAGGGGGAGGGGGGAG 28003

Qy      103 GGAAAGGACAGGGGAGGGGAGGGG 125
            |||||||||||||||||||||||
Db   28002 GGGAGGGGGCAGGGGAGGGGAGGGACG 27980
```

RESULT 5
US-09-949-016-12723
; Sequence 12723, Application US/0994016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
;   CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12723
;   LENGTH: 46823
;   TYPE: DNA
;   ORGANISM: Human
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(46823)
;   OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12723

Query Match   31.7%;   Score 44.4; DB 3; Length 46823;
Best Local Similarity   58.2%;   Pred. No. 0.023;
Matches   78; Conservative   0; Mismatches 56; Indels   0; Gaps   0;

Qy   7 GGGAGGAGGATCCCGAAGGCTCGGCGTCGGCGTCAGACGCCCGGGAGGGGGACGGGGCGG 66
               ||||||||||| |||||| |||| |||||||||||||||||||| ||||||||||||
Db   16710 GGGGAGGAGGAGGACAAGAGAGGAAGAGGACCGGAGGAGGACAGGATGGGGAGGAGGAGGA 16769

Qy   67 GGAGTAGTGGGGGAGAATGGCAGGGGGGAAAGGACACAGGGGAGGGGAGGGGAGGGT 126
               |||| || ||| | |||||| |||| |||| |||||
Db   16770 GGAGGAGAAGGAGGAGGAGGAGGAGGAGGAATGGAGAAAGAGAGAGGAGGAGGAG 16829

Qy   127 AAATAGTGGGCCAG 140
               ||| ||| ||
Db   16830 AAAAGGAGGAGGAG 16843

RESULT 6
US-09-949-016-16252
; Sequence 16252, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16252
;   LENGTH: 46940
;   TYPE: DNA
;   ORGANISM: Human
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(46940)
;   OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16252

Query Match   31.7%;   Score 44.4; DB 3; Length 46940;
Best Local Similarity   58.2%;   Pred. No. 0.023;
Matches   78; Conservative   0; Mismatches 56; Indels   0; Gaps   0;

Qy   7 GGGAGGAGGATCCCGAAGGCTCGGCGTCGGCGTCAGACGCCCGGGAGGGGGACGGGGCGG 66
               |||||||||||
Db   16710 GGGGAGGAGGAGGACAAGAGAGGAAGAGGACCGGAGGAGGACAGGATGGGGAGGAGGAGGA 16769

Qy   67 GGAGTAGTGGGGGAGAATGGGCAGGGGGGAGGGGGAAAGGACACAGGGGAGGGGAGGGGT 126

Db   16770

Db   16770 GGAGGAGAAGGAGGAGGAGGAGGAGGAGGAATGGAGAAAGAGAGAGGAGGAGGAG 16829
               |||| ||| ||| | ||| |||| | ||| |||

Qy   127 AAATAGTGGGCCAG 140
               ||| |||| ||
Db   16830 AAAAGGAGGAGGAG 16843

RESULT 7
US-09-949-016-11990
; Sequence 11990, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11990
;   LENGTH: 99748
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-11990

Query Match   31.7%;   Score 44.4; DB 3; Length 99748;
Best Local Similarity   61.0%;   Pred. No. 0.025;
Matches   72; Conservative   0; Mismatches 46; Indels   0; Gaps   0;

Qy   7 GGGAGGAGGATCCCGAAGGCTCGGCGTGTCCGGTCGACCGCCCGGGAGGGGGGACGGGGCGG 66
               ||||||||| | ||||||| | |||||||||| || ||||||||| ||||||||
Db   70064 GAGGAGGAGGATAGAGAGGAGGGGGAGGGGGGGAGGAGGAGGACGGAGGAGGGGGAGGAGAGG 70123

Qy   67 GGAGTAGTGGGGGAGAATGGGGAGGACGAAGGGGAGGGGGAAAGGACACAGGGGAGGGGGAGG 124
               |||| || ||| | ||||| ||||| | ||| ||||||
Db   70124 AGAGCAAGAGGAGAAGGGGGAGAGAGGGGAGGAGGAGGGGGAGGAGGAGGGAGGAGGAGAGG 70181

RESULT 8
US-09-949-016-16518
; Sequence 16518, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16518
;   LENGTH: 99749
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-16518

Query Match   31.7%;   Score 44.4; DB 3; Length 99749;
Best Local Similarity   61.0%;   Pred. No. 0.025;

Matches   72; Conservative   0; Mismatches   46; Indels   0; Gaps   0;

```
Qy        7 GGGAGGAGGATCCCGAAGGCTCGCCGTCGCCGTCAGACGCCCGGAGGGGGACCGGGGCGG 66
            ||| ||||||| |||  ||||||||  ||| |||| |||||| |||||| |||| ||| ||
Db    70064 GAGGAGGAGGATAGAGAGGGGGAGGGGGAGGAGCCGAGGGGGAGGGGAGGGAGAGGAGAGG 70123

Qy       67 GGGAGTAGTGGGGGAGAATGGGAGACGCGAAGGGGAAAGGACAGGGGAGGGGGAGG 124
            ||| |||||| ||||||||||| |||||||  ||| |||||| |||| |||| ||||
Db    70124 AGAGCAAGAGGAGAAGGAGAAGCCGAGGAGCCGAGGAGGAGGGGAGAGGAGAGAGG 70181
```

RESULT 9
US-09-866-108A-15742/c
; Sequence 15742, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;   APPLICANT: GU, Yizhong
;   APPLICANT: JI, Yonggang
;   APPLICANT: PENN, Sharron G.
;   APPLICANT: HANZEL, David K.
;   APPLICANT: RANK, David R.
;   APPLICANT: CHEN, Wensheng
;   APPLICANT: SHANNON, Mark
;   TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;   FILE REFERENCE: AEOMICA-7
;   CURRENT APPLICATION NUMBER: US/09/866,108A
;   CURRENT FILING DATE: 2001-05-25
;   PRIOR APPLICATION NUMBER: US 60/207,456
;   PRIOR FILING DATE: 2000-05-26
;   PRIOR APPLICATION NUMBER: GB 24263.6
;   PRIOR FILING DATE: 2000-10-04
;   PRIOR APPLICATION NUMBER: US 60/236,359
;   PRIOR FILING DATE: 2000-09-27
;   PRIOR APPLICATION NUMBER: PCT/US01/00666
;   PRIOR FILING DATE: 2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00667
;   PRIOR FILING DATE: 2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00664
;   PRIOR FILING DATE: 2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00669
;   PRIOR FILING DATE: 2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00665
;   PRIOR FILING DATE: 2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00668
;   PRIOR FILING DATE: 2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00663
;   PRIOR FILING DATE: 2001-01-30
;   Remaining Prior Application data removed - See File Wrapper or PALM.
;   NUMBER OF SEQ ID NOS: 15755
;   SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 15742
;   LENGTH: 500
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-15742

Query Match   31.4%; Score 44; DB 3; Length 500;
Best Local Similarity 59.7%; Pred. No. 0.017;
Matches   74; Conservative   0; Mismatches   50; Indels   0; Gaps   0;

```
Qy        1 GGGTTCGGGAGGAGGATCCCGAAGGCTCGCCGTCGCCGTCAGACGCCCGGGAGGGGGACG 60
            ||| ||||| |||  ||||||||  |||  |||| ||||||| |||||| |||| |||||
Db      137 GGGAGGAGGAGGGAGGTGGGGGAGGTGGGGAGGGGGAGGAGGGGGAAAGGACAGGGGAGGG 78

Qy       61 GGGCGGGGAGTAGTGGGGGAGAATGGGAGACGCGAAGGGGAGGGGGAGGGAGGGGGAGGG 120
            ||| |||| ||| ||||||||| ||||| ||||| |||| |||| |||| |||| ||||
Db       77 AGGGGAGGGGAGGTGGAGGGGGGAGAGGGGGAGAGAGGGGGAGGGGGAGGGGAGAGGGAGGG 18

Qy      121 GAGG 124
            ||||
Db       17 GAGG 14
```

RESULT 10
US-09-949-016-135107/c
; Sequence 135107, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
;   CURRENT FILING DATE: 2000-04-14
;   PRIOR APPLICATION NUMBER: 60/241,755
;   PRIOR FILING DATE: 2000-10-20
;   PRIOR APPLICATION NUMBER: 60/237,768
;   PRIOR FILING DATE: 2000-10-03
;   PRIOR APPLICATION NUMBER: 60/231,498
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 207012
;   SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 135107
;   LENGTH: 601
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-135107

Query Match   31.3%; Score 43.8; DB 3; Length 601;
Best Local Similarity 60.5%; Pred. No. 0.02;
Matches   72; Conservative   0; Mismatches   47; Indels   0; Gaps   0;

```
Qy        7 GGGAGGAGGATCCCGAAGGCTCGCCGTCGCCGTCAGACGCCCGGAGGGGGACGGGGGCGG 66
            ||| ||||||| ||| ||||||||  ||| ||||||||||| |||||| |||| |||||
Db      470 GAGAGGGAGGAGGAGGAGGATAGGCAGAGGAGGATGGGAGAAGGAGGGGGAAAGGAGGAGG 411

Qy       67 GGGAGTAGTGGGGGAGAATGGGAGACGAAGGGGAGGGGGGAGGGAGGGGGGAGGGGAGGGG 125
            ||| |||||| ||||||||||| |||  ||| ||||| |||| |||| |||| ||||||
Db      410 GAAAAGGACAGGGAGGAGGAGGAGGAGGAGGAGGAAGGGAGGGAGGGGGAGGG 352
```

RESULT 11
US-09-949-016-15525/c
; Sequence 15525, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
;   CURRENT FILING DATE: 2000-04-14
;   PRIOR APPLICATION NUMBER: 60/241,755
;   PRIOR FILING DATE: 2000-10-20
;   PRIOR APPLICATION NUMBER: 60/237,768
;   PRIOR FILING DATE: 2000-10-03
;   PRIOR APPLICATION NUMBER: 60/231,498
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 207012
;   SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15525
;   LENGTH: 117807
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-15525

Query Match   31.3%; Score 43.8; DB 3; Length 117807;
Best Local Similarity 60.5%; Pred. No. 0.036;
Matches   72; Conservative   0; Mismatches   47; Indels   0; Gaps   0;

```
Qy        7 GGGAGGAGGATCCCGAAGGCTCGCCGTCGCCGTCAGACGCCCGGAGGGGGACGGGGGCGG 66
            ||| ||||||| ||| ||||||||  ||| ||||||||||| |||||| |||| |||||
Db    54166 GAGAGGGAGGAGGAGGAGGAATGGGAGGATCAGAGGGAAGGAGGGGAAAGGACAGGGAGGAGG 54107

Qy       67 GGGAGTAGTGGGGGGAGAATGGGAGGACGAAGGGGAGGGGGGAAAGGACAGGGGAGGAGGGGGGAGGGGAGGG 125
```

Db   54106   GAAAAGGACAGGGAGAGGGAGAAGAAGAAGGGAGAGGAGAAGGACAGCAGGGAGGG   54048

RESULT 12
US-09-270-767-11042/c
; Sequence 11042, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
;   APPLICANT: Homburger et al.
;   TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
;   FILE REFERENCE: File Reference: 7326-094
;   CURRENT APPLICATION NUMBER: US/09/270,767
;   CURRENT FILING DATE: 1999-03-17
;   NUMBER OF SEQ ID NOS: 62517
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO 11042
;   LENGTH: 865
;   TYPE: DNA
;   ORGANISM: Drosophila melangogaster
;   FEATURE:
;   OTHER INFORMATION: n means any nucleotide
US-09-270-767-11042

Query Match   30.9%;   Score 43.2;   DB 3;   Length 865;
Best Local Similarity   57.4%;   Pred. No. 0.03;
Matches   78;   Conservative   0;   Mismatches   58;   Indels   0;   Gaps   0;

Qy   1   GGGTTCGGGAGGAGGATCCCGAAGGCTCGGCCGTGTCGCGTCAGACGCCCGGAGGGGGACG   60
Db   276   GGGGGGGGGGGGGGCGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGCGGGGGGGGGGGGG   217
Qy   61   GGGCGCGGGAGTAGTGGGGAGAATGGGAGGACGAAGGGAGAGGAGGAAAAGGACAGGGAGGG   120
Db   216   GGGGGGGGGGGGGGGGGGGGGGGGGGCCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG   157
Qy   121   GAGGGTAAATAGTGGG   136
Db   156   GGGGGGGGGGTGTTGGG   141

RESULT 13
US-09-949-016-17291
; Sequence 17291, Application US/0994916
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
;   CURRENT FILING DATE: 2000-04-14
;   PRIOR APPLICATION NUMBER: 60/241,755
;   PRIOR FILING DATE: 2000-10-20
;   PRIOR APPLICATION NUMBER: 60/237,768
;   PRIOR FILING DATE: 2000-10-03
;   PRIOR APPLICATION NUMBER: 60/231,498
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 207012
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO 17291
;   LENGTH: 16782
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-17291

Query Match   30.9%;   Score 43.2;   DB 3;   Length 16782;
Best Local Similarity   57.4%;   Pred. No. 0.041;
Matches   78;   Conservative   0;   Mismatches   58;   Indels   0;   Gaps   0;

Qy   1   GGGTTCGGGAGGAGGATCCCGAAGGCTCGGCCGTGTCGCGTCAGACGCCCGGAGGGGGACG   60
Db   1220   GGGGGAGGGTAGGGGGGGTGGGGGAGGGTAGGGGGGGTGGGGGGGTGGGGGGGTG   1279

Db   61   GGGCGCGGGAGTAGTGGGGGAGAATGGGAGGACCAAGGGAGGGAAAGGACACGGGAGGG   120
Db   1280   GGGAGGGTAGGGGGGTGGGGGTGGGAGAGTAGGGGGTAGGGGGGTGGG   1339

Qy   121   GAGGGTAAATAGTGGG   136
Db   1340   GAGAGTAGGGGGTGGG   1355

RESULT 14
US-09-165-264-14
; Sequence 14, Application US/09165264
; Patent No. 6197510
; GENERAL INFORMATION:
;   APPLICANT: Vinayagamoorthy, Thuraiayah
;   TITLE OF INVENTION: Multi-Loci Genomic Analysis
;   FILE REFERENCE: 44747
;   CURRENT APPLICATION NUMBER: US/09/165,264
;   CURRENT FILING DATE: 1998-10-01
;   NUMBER OF SEQ ID NOS: 14
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 14
;   LENGTH: 320
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Primer sequence
US-09-165-264-14

Query Match   30.7%;   Score 43;   DB 3;   Length 320;
Best Local Similarity   56.8%;   Pred. No. 0.03;
Matches   79;   Conservative   0;   Mismatches   60;   Indels   0;   Gaps   0;

Qy   1   GGGTTCGGGAGGAGGATCCCGAAGGCTCGGCCGTGTCGCGTCAGACGCCCGGAGGGGGACG   60
Db   169   GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG   228
Qy   61   GGGCGCGGGAGTAGTGGGGAGAATGGGAGGAGGACGAAGGGAGAGGAGGAAAAGGACAGGGAGGG   120
Db   229   GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG   288
Qy   121   GAGGGTAAATAGTGGCCA   139
Db   289   GGGGGGGGGGGGGGGTGTCCA   307

RESULT 15
US-09-165-264-11
; Sequence 11, Application US/09165264
; Patent No. 6197510
; GENERAL INFORMATION:
;   APPLICANT: Vinayagamoorthy, Thuraiayah
;   TITLE OF INVENTION: Multi-Loci Genomic Analysis
;   FILE REFERENCE: 44747
;   CURRENT APPLICATION NUMBER: US/09/165,264
;   CURRENT FILING DATE: 1998-10-01
;   NUMBER OF SEQ ID NOS: 14
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 11
;   LENGTH: 320
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Primer sequence
US-09-165-264-11

Query Match   30.6%;   Score 42.8;   DB 3;   Length 320;
Best Local Similarity   57.5%;   Pred. No. 0.033;
Matches   77;   Conservative   0;   Mismatches   57;   Indels   0;   Gaps   0;

Qy   1   GGGTTCGGGAGGAGGATCCCGAAGGCTCGGCCGTGTCGCGTCAGACGCCCGGAGGGGGACG   60

```
Db    177 GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 236

Qy     61 GGGCGGGGAGTAGTGGGGGAGAATGGGAGGACGAAGGGGAAAGGACAGGGGAGGG 120
          |||||||||-|-|||||||-|-||||||||||-|-|||||||-||-||||||-|||
Db    237 GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 296

Qy    121 GAGGGTAAATAGTG 134
          |-||||-||||-||
Db    297 GGGGGCAGATTTTG 310
```

Search completed: December 13, 2005, 23:57:51
Job time : 109.5 secs